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**Technical**

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 AA09 CC03 CC10 CC15 CE06 CE07 DD05  
 DD10 DD25

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 BA 08 CA01 DA06 HA05 4C098 AA09 CC03 CC10 CC15  
 CE06 CE07 DD05 DD10 DD25

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[Request for Examination]

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Unrequested

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(21) [Application Number]

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[Identification Number]

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受液側・向・透液性・外側・向・前記・前記・間・挿・吸收・有・本体・前記本体・受液側・本体・長手方向・延・且・前記長手方向・直交・幅方向・両側・配置・一对・防漏・有・吸收性物品・

上記一对・防漏・一方・縁部・固定縁部・前記本体・固定・他方・縁部・自由縁部・自由縁部・前記長手方向・伸縮力・発生・防漏・起立・第1・弾性部材・設・

前記防漏・前記固定縁部・自由縁部・間・前記防漏・構成・折・疊・折・疊・内面・接合・前記本体・幅方向・中心側・向・突出形成・特徴・吸收性物品・

#### 請求項 2・

前記・前記防漏・本体・幅方向・中心側・幅方向・外側・双方・突出形成・請求項1記載・吸收性物品・

#### 請求項 3・

前記・前記防漏・本体・幅方向・中心側・少・2・設・第2・第3・形成・2・共・本体・長手方向・延・請求項1記載・吸收性物品・

#### 請求項 4・

第2・第3・本体・長手方向・間隔・開・互・接合・前記接合・接合部間・前記第2・第3・形成・請求項3記載・吸收性物品・

#### 請求項 5・

前記第2・第3・中間・前記・防漏・幅方向・外側・突出形成・外向・形成・請求項3・4記載・吸收性物品・

top sheet of liquid-permeable which is directed to receiving liquid side and backsheet which is directed to outside and, On receiving liquid side of main body \* and aforementioned main body which possess aforementioned top sheet and absorption core which is put between aforementioned backsheet extension and the aforementioned longitudinal direction in absorbent article which possesses anti leak cuff of pair which is arranged in both sides of transverse direction which crosses in longitudinal direction of main body,

Anti leak cuff of above-mentioned pair on one hand edge to be locked by aforementioned main body as fixed edge and the edge of other becoming free edge, in this free edge generating extension and retraction power in aforementioned longitudinal direction anti leak cuff providing first elastic member which stands up,

absorbent article \* which, folding sheet which aforementioned anti leak cuff configuration is done, flap which connects folding interior surface, directing to center side of transverse direction of aforementioned main body, protruding is formed in aforementioned fixed edge of aforementioned anti leak cuff and between free edge makes feature

#### [Claim 2]

As for aforementioned flap, from aforementioned anti leak cuff transverse direction center side of main body and, absorbent article \* which is stated in Claim 1 which protruding is formed to both parties of outside of transverse direction

#### [Claim 3]

absorbent article \* which is stated in Claim 1 where aforementioned flap, from aforementioned anti leak cuff two being provided atleast in center side of transverse direction of main body, forms flap of the second and third, as for these 2 flap together extends to the longitudinal direction of main body

#### [Claim 4]

flap of second and third is connected, opening spacing to longitudinal direction of main body, mutually, with aforementioned connecting between joined portion, absorbent article \* which is stated in Claim 3 where the pocket is formed by aforementioned second and flap of the third

#### [Claim 5]

In aforementioned second and intermediate of flap of third, aforementioned flap protruding being formed to outside of the transverse direction of anti leak cuff, absorbent article \* which is stated in Claim 3 or 4 which forms outside direction flap

## 請求項 6

前記 ····· 防漏 ····· 突出長 ··· 5mm  
以上 10mm 以下 ····· 請求項 1~5 ·····  
・記載・吸収性物品

## 請求項 7

防漏 ··· 前記 ····· 複数設 ····· 場合  
・第 2 ·第 3 ····· 間隔 ·最·離 ···  
・部分 ·前記間隔 ·10mm 以上 15mm 以下  
・・・ 請求項 1~6 ····· 記載・吸収性物品

## 請求項 8

前記各 ····· 自由端 ··· 本体 ·長手方向  
・伸縮力 ·発揮 ·・弹性部材 ·設 ··· 本  
体部 ·長手方向 ·平面 ····· 展開 ···  
··· 第 1 ·弹性部材 ·収縮張力 ·各 ···  
··· 設 ····· 弹性部材 ·伸縮張力 ··· 大  
・・・ 請求項 1~7 ····· 記載・吸収性物品

## 請求項 9

受液側 ·向 ····· 透液性 ······· 外  
側 ·向 ······· 前記 ·······  
・前記 ······· 間 ·挿 ····· 吸收 ···  
・有 ·本体 ····· 前記本体 ·受液側 ·本  
体 ·長手方向 ·延 ·且 ·前記長手方向 ·直交  
··· 幅方向 ·両側 ·配置 ··· 一対 ·防漏  
··· 有 ·吸収性物品 ·····

上記一対 ·防漏 ····· 一方 ·縁部 ·固定縁  
部 ····· 前記本体 ·固定 ·他方 ·縁部 ·自  
由縁部 ······· 自由縁部 ·前記長手方向  
・伸縮力 ·発生 ·防漏 ··· 起立 ··· 第 1  
・弹性部材 ·設 ·····

前記防漏 ····· 前記固定縁部 ·自由縁部 ·  
間 ·波形 ······· 前記本体 ·幅方向中心  
側 ·向 ·2 ·· 波 ·頂点 ····· 前記長手方  
向 ·間隔 ·開 ·· 接合 ···

前記接合 ··· 接合部間 ·前記 2 ·· 波形 ·  
間 ····· 形成 ······· 特徴  
··· 吸収性物品

## 請求項 10

前記波形 ·頂点 ·本体 ·長手方向 ·伸縮力  
・発揮 ·・弹性部材 ·設 ··· 本体部 ·長手  
方向 ·平面 ····· 展開 ····· 第 1

## [Claim 6]

protruding length from anti 漏 cuff of aforementioned flap,  
the absorbent article \* which is stated in any of Claim 1~5  
which is 5 mm or greater 10 mm or less

## [Claim 7]

In anti 漏 cuff aforementioned flap multiple when it  
is provided, spacing of flap of second and third most with  
portion which is left, absorbent article \* which is stated in  
any of the Claim 1~6 where aforementioned spacing is 10 mm  
or greater 15 mm or less

## [Claim 8]

When in free end of aforementioned each flap, it can provide  
the elastic member which shows extension and retraction  
power to longitudinal direction of main body, main body  
in order for longitudinal direction to become plane,  
developing, contraction tension of first elastic member,  
absorbent article \* which is stated in any of the large Claim  
1~7 in comparison with extension and retraction tension of  
elastic member which is provided in each flap

## [Claim 9]

top sheet of liquid-permeable which is directed to receiving  
liquid side and backsheet which is directed to outside and, On  
receiving liquid side of main body \* and aforementioned  
main body which possess aforementioned top sheet and  
absorption core which is put between aforementioned  
backsheet extension and the aforementioned longitudinal  
direction in absorbent article which possesses anti 漏 cuff of  
pair which is arranged in both sides of transverse direction  
which crosses in longitudinal direction of main body,

Anti 漏 cuff of above-mentioned pair on one hand edge to be  
locked by aforementioned main body as fixed edge and the  
edge of other becoming free edge, in this free edge generating  
extension and retraction power in aforementioned longitudinal  
direction anti 漏 cuff providing first elastic member which  
stands up,

Aforementioned anti 漏 cuff is made waveform between  
the aforementioned fixed edge and free edge, apex of 2  
waves which face to transverse direction center side of  
aforementioned main body, opening spacing to  
aforementioned longitudinal direction, is connected,

Between joined portion, pocket is formed between  
aforementioned 2 waveform with aforementioned connecting,  
absorbent article \* which is and makes feature

## [Claim 10]

When in apex of aforementioned waveform, it can provide the  
elastic member which shows extension and retraction power  
to longitudinal direction of main body, main body in order for



結果・装着者・向・立・上・防漏・  
形成・  
形成・

0003・

本発明・出願人・防漏・  
研究開発・特開平4-218159号・  
2重・設・使・捨・着用物品・開示・  
・  
・特開平8-215239号・  
・状・折・置・内側・向・開口・  
・形成・使・捨・体液処理用品・  
開示・

0004・

発明・解決・課題・

・尿・軟便・排泄物・流速・早・  
・排出量・多・場合・排出速度・早・場合・  
・排泄物・前記防漏・堰・止・  
・難・  
・形態・排泄物・  
・漏・効果的・防止・防漏・  
出現・強・望・

0005・

一方・漏・防止効果・高・  
・弾性部材・強度・強・  
・装着者・足回・  
・強固・閉・  
・装着者・不快感・感・  
・共・  
・装着者・肌・当・  
・面積・大・  
・摩擦・肌・  
・引・起・易・  
・  
・場合・部分・空気・  
・流通性・悪・  
・引・起・  
・易・

0006・

本発明・上記課題・解決・  
・優・漏・防止機能・備・防漏・  
・吸収性物品・提供・

0007・

本発明・更・目的・優・漏・防止機能・  
・備・  
・装着者・肌・  
・荒・  
・少・吸収性物品・提供・

0008・

課題・解決・手段・

本発明・前記目的・受液側・向・  
透液性・外側・向・

Anti 漏 cuff which stands up facing toward result and wearer is formed.

[0003]

research and development it does applicant of this invention, in regard to this kind of anti 漏 cuff, it discloses disposable wearing goods which provides the anti 漏 cuff in double in Japan Unexamined Patent Publication Hei 4-218159 number.

In addition, anti 漏 cuff disposable body fluid treatment goods where the pocket which is opened facing toward folding・inside was formed is disclosed in zigzag shape in Japan Unexamined Patent Publication Hei 8-215239 number.

[0004]

[Problems to be Solved by the Invention]

But, because urine and soft stool or other waste flow rate are quick, when effluent amount is many and when drainage rate is quick, waste the weir it comes with aforementioned anti 漏 cuff and it is difficult to stop.

Depending, appearance of anti 漏 cuff to which that leaks with waste of which kind of form and can prevent in effective is strongly desired.

[0005]

On one hand, in order to make leak prevention effect high, making strength of elastic member of anti 漏 cuff strong, when it tries to close the underside of wearer firmly, anti 漏 cuff many heavily provides, as for wearer, as discomfort is felt, surface area of the diaper which hits to skin of wearer becoming large, It is likely to cause rash of skin in friction.

In addition in this case, because also permeability of air in the portion of gather becomes bad, it is easy to cause clamminess and the rash.

[0006]

this invention with those in order to solve above-mentioned problem, is to offer absorbent article which has anti 漏 cuff which has leak prevention function which is superior.

[0007]

As for further objective of this invention, although having leak prevention function which is superior, skin of wearer is enough rash and it becomes rough it is to offer small absorbent article.

[0008]

[Means to Solve the Problems]

top sheet of liquid-permeable which receives aforementioned objective of the this invention and, is directed to liquid side

前記本体・受液側・本体・長手方向・延長・前記長手方向・直交・幅方向・両側配置・一対・防漏・有・吸收性物品・上記一対・防漏・一方・縁部・固定縁部・前記本体・固定・他方・縁部・自由縁部・自由縁部・前記長手方向・伸縮力・発生・防漏・起立・第1・弾性部材・設・前記防漏・前記固定縁部・自由縁部・間・前記防漏・構成・折・畳・折畳・内面・接合・前記本体・幅方向・中心側・向・突出形成・特徴・吸收性物品・達成・

• 0009 •

本発明・吸收性物品・幅方向  
・中心側・突出・防漏・固定端部  
・自由端部・実質的距離・長  
・排泄位置・吸收・吸收  
・流速・早・排泄物・幅方向・流・防  
漏・乘・越・対・排泄物  
速度・存在・遅・排泄物  
漏・効果的・防  
・本発明・吸收性物品・装着時・防漏  
・各自由端部・肌・接触  
・肌・対・接触面積・少  
・装着者・肌・対・摩擦・少  
・済・  
・防漏・肌・間・空隙  
本発明・各・固定端部近辺  
・肌・間・空隙・空気  
流通・生・

# ・・・・・発生・抑・・・・・

0010 •

前記・・・・・ 前記防漏・・・・・ 本体・幅方  
向・中心側・幅方向・外側・双方・突出形成  
・・・・・ 好

0011

・・・前記・・・・・前記防漏・・・・本体・

and backsheet which is directed to outside and, On receiving liquid side of main body \* and aforementioned main body which possess aforementioned top sheet and absorption core which is put between between aforementioned backsheet extension and the aforementioned longitudinal direction in absorbent article which possesses anti 漏 cuff of pair which is arranged in both sides of transverse direction which crosses in longitudinal direction of main body, as for anti 漏 cuff of the above-mentioned pair, edge of one side being locked by aforementioned main body as the fixed edge and edge of other becoming free edge, in this free edge generating extension and retraction power in aforementioned longitudinal direction the first elastic member which stands up be able to provide anti 漏 cuff, in the aforementioned fixed edge of aforementioned anti 漏 cuff and between free edge , Folding sheet which aforementioned anti 漏 cuff configuration is done, flap which connects folding interior surface, directing to center side of transverse direction of aforementioned main body, it is achieved with absorbent article which protruding is formed and makes feature.

〔0009〕

With absorbent article of this invention, flap protruding to do to center side in transverse direction, because substantial distance to free end has become long from anchor end portion of anti 漏 cuff, waste where flow rate which it cannot absorb with absorption core in excretion position is quick flowing to with transverse direction, in order to try to get over anti 漏 cuff confronting, velocity of waste becomes slow in existence of flap, a leak of waste is prevented in effective, is possible.

In addition, it is decided with that anti 漏 cuff and each free end of flap contact skin when mounting absorbent article of this invention, contact area for skin of diaper is little, namely friction for skin of wearer may be little.

Furthermore, it can designate empty gap as anti 漏 cuff and between skin, but, because furthermore in anchor end portion neighborhood of each flap empty gap can designate with this invention as between the skin, circulation of air is easy to occur.

Depending, you hold down clamminess and rash or other occurrence, it is possible.

〔0010〕

Aforementioned flap, transverse direction center side of main body and, protruding is formed to both parties of outside of transverse direction from the aforementioned anti 漏 cuff, it is desirable.

[001 1]

In addition, aforementioned flap, from aforementioned anti

幅方向・中心側・2・設・・・・・第2・第3・  
・・・・・形成・・・・2・・・・・・・・共・本  
体・長手方向・延・・・・・好・・・・・

・・場合・第2・第3・・・・・本体・長手  
方向・間隔・開・・互・・接合・・・前記接合  
・・接合部間・・前記第2・第3・・・・・  
・・・・形成・・・・・好・・・・

・・前記第2・第3・・・・・中間・・・  
・・前記・・・・・防漏・・幅方向・外側・  
突出形成・・外向・・・・形成・・・・・  
・好・・・・

0012

本発明・・・・・前記・・・・・防漏・・・  
・・突出長・・5mm以上10mm以下・・・・・  
・好・・・・

・・防漏・・・前記・・・複数設・・・  
場合・・第2・第3・・・・・間隔・最・離  
・・部分・・前記間隔・10mm以上15mm以  
下・・・・・好・・・・

0013

・・前記各・・・・・自由端・・・本体・長  
手方向・伸縮力・発揮・・弹性部材・設・  
・・本体部・長手方向・平面・・・・・展開  
・・・・・第1・弹性部材・収縮張力・・各  
・・・・設・・・弹性部材・伸縮張力・・  
・大・・・・好・・・・

0014

・・本発明・・受液側・向・・・・透液性・・  
・・・・・外側・向・・・・・・・  
前記・・・・・前記・・・・・間・挟  
・・・吸收・・・有・・本体・・・前記本  
体・受液側・本体・長手方向・延・且・前記  
長手方向・直交・・幅方向・両側・配置・  
・一对・防漏・・・有・・吸收性物品・・  
・・上記一对・防漏・・・一方・縁部・固定  
縁部・・・前記本体・固定・・他方・縁部・  
自由縁部・・・・・・・・・・・・・・・・・・・  
・・・・・・・・・・・・・・・・・・・・・・・・・  
・前記本体・幅方向中心側・向・2・・波・  
頂点・・・・前記長手方向・間隔・開・・接  
合・・・前記接合・・・接合部間・・前記2・  
・波形・間・・・・・形成・・・・・

漏 cuff two being provided in center side of transverse  
direction of main body, forms flap of second and third, these 2  
flap extend to longitudinal direction of main body together, it  
is desirable .

In this case, flap of second and third is connected, opening  
spacing to longitudinal direction of main body, mutually,  
between the joined portion, pocket is formed with  
aforementioned connecting by theaforementioned second and  
flap of third, it is desirable .

In addition, aforementioned flap protruding being formed to  
the outside of transverse direction of anti 漏 cuff in  
aforementioned second and intermediate of flap of third,  
outside direction flap is formed, it is desirable .

[0012]

Regarding to this invention, protruding length from anti 漏  
cuff of theaforementioned flap, is 5 mm or greater 10 mm or  
less, it is desirable .

In addition, in anti 漏 cuff aforementioned flap multiple  
when it is provided, spacing of flap of second and third most  
with portion which is left, aforementioned spacing is 10 mm  
or greater 15 mm or less, it is desirable .

[0013]

In addition, in free end of aforementioned each flap, it  
canprovide elastic member which shows extension and  
retraction power to longitudinal direction of main body, when  
main body in order for longitudinal direction to become plane,  
developing,contraction tension of first elastic member, it is  
large in comparison with the extension and retraction tension  
of elastic member which is provided in each flap it is  
desirable .

[0014]

In addition top sheet of liquid-permeable which receives this  
invention and, isdirected to liquid side and backsheet which is  
directed to outside and, On receiving liquid side of main  
body・ and aforementioned main body which possess  
aforementioned top sheet and absorption core whichis put  
between between aforementioned backsheet extension and  
theaforementioned longitudinal direction in absorbent article  
which possesses anti 漏 cuff of pair which is arranged in  
both sides of transverse direction which crosses in  
longitudinal direction of main body, as for anti 漏 cuff of  
theabove-mentioned pair, edge of one side being locked by  
aforementioned main body as thefixed edge and edge of other  
becomes free edge, in thisfree edge generating extension and  
retraction power in aforementioned longitudinal direction the  
first elastic member which stands up can provide anti 漏  
cuff, theaforementioned anti 漏 cuff is made waveform  
between theaforementioned fixed edge and free edge , apex of

特徴・・・吸収性物品・・・

・・場合・・・内・排泄物・保持・・・  
・・漏・効果的・防止・・・

0015・

・・・・前記波形・頂点・・本体・長手方向  
・伸縮力・発揮・・弹性部材・設・・・・本  
体部・長手方向・平面・・・・・展開・・  
・・・・第1・弹性部材・収縮張力・・前記波  
形・頂点・設・・・・弹性部材・伸縮張力・  
・・大・・・・好・・・・

0016・

・・・・本発明・・前記接合部間・形成・・・  
・・・・・・・・長手方向・開口長・・5mm以上  
20mm以下・・・・・好・・・・

0017・

発明・実施・形態・

以下・図面・参照・・・・・本発明・吸収性物  
品・・使・捨・・・・例・・・・説明・  
・・

図1・本発明・使・捨・・・・透液性・・・  
側・・示・平面図・図2・図1・示・・・・  
・II-II線・断面図・図3・図1・示・・・・  
・III-III線・断面図・図4・防漏・・・端部  
・・・・状態・説明・・部分断面図・・・・

0018・

図1・示・本発明・使・捨・・・・1・・・・  
・・砂時計形状・・・・型・・・・・・・・  
用時・装着者・腹部・当・・・・前面部2A  
・・使用時・尻部・・・・/・・・・背部・当・・・  
・・背面部2C・・使用時・股間部・当・・・・  
中間部2B・・有・・・・

前記前面部・・股間・経・前記後面部・至  
方向・Y方向(長手方向若・・・縦方向)・・・  
・・直交・・方向・X方向(幅方向)・・・・

2 waves which face to transverse direction center side of  
aforementioned main body, opening spacing to  
aforementioned longitudinal direction, it is connected, it is a  
absorbent article where between joined portion, pocket is  
formed between the aforementioned 2 waveform with  
aforementioned connecting and makes feature.

In this case, because waste is kept inside pocket, a leak can be  
prevented in effective.

[0015]

This time, in apex of aforementioned waveform, it can  
provide elastic member which shows extension and retraction  
power to longitudinal direction of main body, when the main  
body in order for longitudinal direction to become plane,  
developing, the contraction tension of first elastic member, it  
is large in comparison with the extension and retraction  
tension of elastic member which is provided in apex of  
the aforementioned waveform it is desirable .

[0016]

Furthermore, with this invention open length of longitudinal  
direction of pocket which was formed between  
aforementioned joined portion is 5 mm or greater 20 mm or  
less, it is undesirable .

[0017]

[Embodiment of the Invention]

While below, referring to drawing, citing disposable diaper as  
example as absorbent article of this invention, you explain.

As for Figure 1 as for top view • Figure 2 which shows  
disposable diaper of this invention from liquid-permeable  
sheet side as for sectional view • Figure 3 of line II-II of  
diaper which is shown in Figure 1 as for sectional view •  
Figure 4 of line III-III of diaper which is shown in Figure 1 it  
is a partial cross section which explains state in end of anti漏  
cuff.

[0018]

As for disposable diaper 1 of this invention which is shown in  
Figure 1, with the open mold diaper of so-called hourglass  
configuration, when using it possesses intermediate section  
2B which is applied to crotch section at time of back surface  
part 2C and use which are applied to rear end and/or back at  
time of front 2A and use which are applied to abdomen of  
wearer.

Passing by crotch from aforementioned front, Y direction  
(longitudinal direction or vertical direction) with it does  
direction which reaches to aforementioned back surface  
section, that X direction (transverse direction) with it does



合物・形成・粉碎・  
粉碎・高吸水性・混合物・  
・吸收性・13・包・  
・  
・掛止・17・系粘着材・系  
樹脂・粘着・  
・一度接着・後・掛止・17・繰・返  
・接着及・剥離・前・  
・11側・対応・位置・樹脂・  
・好・設・  
・周・掛止・(登  
録商標)・用・  
0023・  
・1・10・上・両側部4・4側  
・折・疊・帯状・疎水性・14・14  
・中心線L1・対・対称・設・  
・疎水性・14・図2・示・  
横漏・防止用・防漏・40A・形成・  
防漏・40A・疎水性・14・側部4  
側・10上・固定・防漏・  
・40A・起立支点・固定端部20b・形成・  
・  
一方・疎水性・14・反対側(中心線L1側)  
・自由端部20a・Y方向・全長  
・弹性部材30・伸・状態・設・  
・  
・疎水性・14・前後・端部14A・  
14C(Y方向・端部)・自由端部20a・  
中心線L1側・倒・10上・固定・  
・  
・結果・使・捨・1・U字状態・弯曲  
・自由端部20a・装着者方向(Z方向)・立  
・上・横漏・防止用・防漏・40A・一  
対形成・  
・  
・自由端部20a・側部4側・倒・  
・10上・固定・  
0024・  
・防漏・40A・防漏・40A・構成・  
・疎水性・14・折・疊・折・疊・内  
面・接合・第2・第3・形成・  
・  
・防漏・40A・自由端部20a・固定端部  
20b・間・自由端部20a・所定距  
離20h・疎水性・14・中心線L1側・  
X方向・突出・第2・21・形成・  
・

of superabsorbent polymer, pulverized pulp or it is something where mixture of the pulverized pulp and superabsorbent polymer was wrapped with tissue or other absorbancy sheet 13.

In addition stopping sheet 17 is rubber type adhesive material and acrylic resin or other adhesive tape etc.

In addition, in order one time after glueing, over again to be able to glue and to be able to exfoliate stopping sheet 17 and, preferably it can provide resin film in position to which backsheet 11 side of front flap corresponds.

However, making use of those like magic tape (registered trademark) in stopping of the west surroundings it is good.

[0023]

On parts on both sides 4 \*4 side on top sheet 10 of diaper 1, hydrophobic sheet 14 \*14 of strip which was folded it is provided in symmetry vis-a-vis center line L1.

With this hydrophobic sheet 14, anti 漏 cuff 40A for side kind of leak prevention which is shown in Figure 2 is formed.

With anti 漏 cuff 40A, hydrophobic sheet 14 it is locked on top sheet 10 in side part 4 side, anchor end portion 20b which becomes standing up fulcrum of anti 漏 cuff 40A is formed.

On one hand, in free end 20a of opposite side (center line L1 side) of hydrophobic sheet 14, it is provided with state which elastic member 30 extends over essentially entire length in Y direction.

And, end 14A \*14C (end in Y direction) of front and back of hydrophobic sheet 14, pushing down the free end 20a on center line L1 side, it is locked on top sheet 10.

As a result, disposable diaper 1 curves in U-shape condition, free end 20a stands up to wearer direction (Z direction) and anti 漏 cuff 40A for side leak prevention is formed pair.

Furthermore, free end 20a pushing down on side part 4 side, may be locked on top sheet 10.

[0024]

Folding hydrophobic sheet 14 which anti 漏 cuff 40A configuration is done, connecting folding interior surface, flap of second and third is formed in this anti 漏 cuff 40A.

First, specified distance 20h opening from free end 20a in free end 20a of anti 漏 cuff 40A and between anchor end portion 20b, protruding doing hydrophobic sheet 14 to X direction of center line L1 side, second flap 21 is formed.

第2 21 根元 固定端部 21b  
反対側(中心線 L1 側) 自由端部  
21a

自由端部 21a Y 方向  
全長 弹性部材 31 設  
確実 形成 及  
通気性 損 固定端  
部 21b 疎水性 14 固定端  
部 21b 沿 接合 弹性部材 31 固定  
自由端部 21a 沿 接合 固定端部  
21b 自由端部 21a 間 接合  
好

固定端部 21b 自由端部 21a  
疏水性 接合

0025

同様 第2 21 防漏 40A  
固定端部 20b 間 固定端部 21b  
所定間隔 21h (固定端部 20b  
所定間隔 22h ) 疎水性 14 中心  
線 L1 側 X 方向 突出 第3  
22 形成

第2 21 同様 自由端部 22a  
Y 方向 全長 弹性部材 32 設

0026

第2 第3 設 弹性部材 31  
32 各伸縮張力 1 Y 方向 平面  
展開 防漏 40A 自  
由端部 20a 設 弹性部材 30 伸縮張  
力 小 好

例 防漏 40A 自由端部 20a 設  
弹性部材 30 1120  
用 場合 200%伸長時 伸縮張力 好  
100g 以下 一方 各 弹性部材  
31 32 840  
場合 200%伸長時 伸縮張力 好 80g 以  
下

防漏 40A 確実 Z 方向  
起立  
装着者 対 締付  
無 弹性部材 適度 強

0027

root of second flap 21 has become anchor end portion 21b, opposite side (center line L1 side) has become free end 21a.

And, in free end 21a elastic member 31 is provided over essentially entire length in Y direction.

In order this time, to form flap securely and because air permeability in flap is not impaired, it connects hydrophobic sheet 14 in anchor end portion 21b alongside anchor end portion 21b, it connects in order to lock elastic member 31 alongside free end 21a, between of anchor end portion 21b and free end 21a is not connected, it isdesirable .

However, hydrophobic sheet may be connected from anchor end portion 21b to free end 21a.

[0025]

To similar, in between anchor end portion 20b of second flap 21 and anti 漏 cuff 40A,opening specified interval 21h from anchor end portion 21b, (From anchor end portion 20b specified interval 22h opening ), protruding doing hydrophobic sheet 14 to X direction of center line L1 side, flap 22 of third is formed.

And, in same way as second flap 21 in free end 22a elastic member 32 is providedover essentially entire length in Y direction.

[0026]

As for each extension and retraction tension of elastic member 31 \*32 which is provided in flap of the second and third, when diaper 1 in order for Y direction tobecome plane, developing, it is desirable to be smaller than the extension and retraction tension of elastic member 30 which is provided in free end 20a of anti 漏 cuff 40A.

When those of 1120 denier are used as elastic member 30 which is provided in free end 20a of for example anti 漏 cuff 40A, extension and retraction tension at time of 200%extension preferably 100 g or less \* on one hand, as for elastic member 31 \*32 of each flap when it issomething of 840 denier respectively, extension and retraction tension at time of 200%extension is preferably 80 g or less.

When it makes this way, anti 漏 cuff 40A you can stand up securely to Z direction.

In addition, respective elastic member being suitable strength without alsotightening for wearer becoming hard, fit it does.

[0027]

・・・第2・第3・・・・・21・22・形成位置  
 ・間隔 20h=10~15mm ・間隔 21h=10~15mm ・  
 間隔 22h=5~10mm ・・・・・好・・・・・  
 ・・・第2・第3・・・・・21・22・X方向・・・  
 突出幅 21w ・5~15mm ・・・・・好・・・・・  
 ・・・最終的・得・・・防漏・・40A・高・  
 40h ・25~40mm 程度・・・・・好・・・・・  
 ・・・条件・下・・・・・装着時・防漏  
 ・・各・・・・・自由端部・・・装着者・接  
 ・・・・・

\*0028\*

第2・第3・・・・・Y方向・沿・・・疎水性  
 ・・・14・・・全長・・・・形成・・・  
 ・・・図1・示・・・・・領域・・・  
 ・・・第2・第3・・・・・自由端部 21a・22a  
 側・・・・・第2・第3・・・・・互・・好・  
 ・接合・・・・・  
 ・・・領域 45 ・・・図3・示・・・上下  
 ・位置・・・第2・第3・・・・・自由端部  
 21a・22a・側・・・・・型接着剤・・超音波  
 ・加熱・・・熱融着・・・接合・・・・・

\*0029\*

・・・Y方向・沿・・間隔・・・・・第2・  
 第3・・・・・自由端部・・・接合・・・・・  
 図4・示・・・接合・・・・・領域・・・  
 ・・・・・21・22・吸收・・12・・・平行  
 ・X方向・突出・・・状態・保・・・・・領域  
 45・近・・・・・・・21・22・自由端部  
 21a・22a・互・・内側・向・合・状態・・・  
 ・・・

・・・結果・自由端部・接合・・・・・領域・  
 ・・・図2・示・・・・・41・形成・・・

排泄物・・・・・41内・保持・・・・・  
 排泄物・防漏・・・乘・越・・・・・外・  
 漏・・・・・生・・・・・

\*0030\*

・・・・・41・確実・形成・・・・・領域  
 45・・・・X方向・・・接合幅 45w ・  
 3~5mm ・・・・・好・・・・・  
 ・・・・・41・排泄物・保持・・為・機能  
 ・十分・引・出・・・・・領域 45 ・Y方向  
 ・・・接合長・45d ・隣合・接合領域・間  
 隔(非接合領域・Y方向・・・・長・)46 以下  
 ・・・・・好・・・・・

In addition, formed position of flap 2 1, 2 2 of second and third is the spacing 20h=10~15 mm ・ spacing 21h=10~15 mm ・ spacing 22h=5~10 mm, it is desirable .

In addition protruding width 21w to X direction of flap 2 1, 2 2 of second and third is 5 - 15 mm, it is desirable .

And, finally height 40h of anti 漏 cuff 40A which is acquired is 25- 40 mm extent, it is desirable .

Under this kind of condition, at time of diaper mount it reaches the point where only anti 漏 cuff and free end of each flap touch to wearer.

[0028]

flap of second and third is formed alongside Y direction, over essentially entire length of hydrophobic sheet 14, but flap of second and third preferably is connected mutually in free end 21a \*22a side of the flap of second and third hatching which is shown in Figure 1 regarding region which is done.

With namely, region 45, as shown in Figure 3, free end 21a \*22a side of flap of the second and third which is position of top and bottom is connected with hot melt adhesive and ultrasound and heating by hot melt adhesion .

[0029]

This way opening spacing alongside Y direction, when it connects free end of flap of second and third, as shown in the Figure 4, regarding region which is not connected, flap 2 1, 2 2 almostparallel with absorption core 12 to X direction protruding the state which is done maintaining, Or as it gets near to region 45, it becomes state free end 21a \*22a of the flap 2 1, 2 2 to face to inside mutually.

As a result, kind of pocket 41 which is shown in Figure 2 in the region where free end is not connected is formed.

Because waste is kept inside this pocket 41, waste getting overanti 漏 cuff, it leaks to outside diaper, it becomes difficult to occur .

[0030]

In order this time to form pocket 41 securely, connecting width 45w in X direction in region 45 is 3 - 5 mm, it is desirable.

In addition, in order to pull out function because pocket 41 keeps waste to fully, connecting length 45d in Y direction of region 45 next door spacing of connecting region which is agreeable (length in Y direction of unjoined region ) is 46 or fewer, it is desirable .



11・間・接着固定・  
 39・39・Y方向・弹性收縮・  
 使・捨・1・X方向・両側  
 部領域・10・11  
 収縮・足回・  
 形成・  
 14・代・  
 10・側部4方向・延出・10・  
 11・間・弹性部材・接着固定・  
 10035・

次・本発明・他・実施・形態・具体例・挙  
 説明・  
 図5・図6・図7・図8・本発明・吸  
 物品・防漏・他・実施・形態・示・部  
 分拡大断面図・  
 図9・図8・防漏・接合状態・示・部分拡  
 大断面図・  
 10036・

図5・防漏・40B・第2・21・  
 第3・22・設・  
 図1~3・防漏・40A・示・外  
 向・設・  
 場合・防漏・40B・装着  
 者方向・起立・内・排  
 泌物・保持・  
 10037・

図6・防漏・40C・示・  
 自由端部・弹性部材・設・  
 場合・第2・21・第3・22・  
 吸收・12・平行・X方向・突出・  
 例・図1及・図3・説明・  
 Y方向・所定間隔・第2・  
 21・第3・22・自由端部21a・22a  
 側・接合・好・  
 自由端部・弹性部材・設・  
 接合・排泄物・保持・  
 形成・  
 10038・

図7・防漏・40D・示・第3  
 22・第2・21・形成・疎  
 水性・14a・別・14b・形成・  
 14 and the backsheet 11.

top sheet 10 and backsheet 11 are contracted with parts on both sides region of X direction of disposable diaper 1 this elastic member 39 \*39 elasticity by contracting in Y direction, hosiery cuff which fit is done is formed on theunderside.

Furthermore, in place of hydrophobic sheet 14, extending top sheet 10 to side part 4 direction, fixing elastic member also it is possible between top sheet 10 and backsheet 11 to do.

[0035]

Next, listing embodiment, you explain other embodiment of this invention.

Figure 5・Figure 6・Figure 7・Figure 8 is portion enlarged cross section diagram which shows other embodiment of anti漏 cuff of absorbent article of respective this invention.

Figure 9 is portion enlarged cross section diagram which shows joined state of anti漏 cuff of Figure 8.

[0036]

With Figure 5, flap 22 of second flap 21 and third is provided inanti漏 cuff 40B.

However, kind of outside is shown in anti漏 cuff 40A of Figure 1~3 direction flap is not provided.

Even with in this kind of case, stands up to wearer direction be able to do anti漏 cuff 40B, waste can be kept inside the pocket.

[0037]

In addition, as shown in anti漏 cuff 40C of Figure 6, it is notnecessary in free end of flap for elastic member to be provided.

In this case, because flap 22 of second flap 21 and third isdifficult to do, protruding parallel with absorption core 12 to X direction, as explained in for example Figure 1 and Figure 3, flap 22 of second flap 21 and the third it is connected every specified interval to Y direction in free end 21a \*22a side it is desirable.

elastic member not being provided in free end, this way pocket whichkeeps waste by fact that it connects can be formed.

[0038]

In addition, as shown in anti漏 cuff 40D of Figure 7, it can form flap 22 of third with another sheet 14b from hydrophobic sheet 14a which forms second flap 21.

・場合 防漏 40D 固定端部 20b  
第3 22 固定端部 22b 接合  
好  
第3 疎水性  
形成 組合 防漏 構成 別

0039 •

・・結果・接合部間・・排泄物・保持・・・・  
・・形成・・・・

0040

防漏 40E 疏水性 14 内面  
 接合 形成 場  
 合 第2 21 第3 22  
 吸收 12 平行 X 方向 突出  
 例 図1 及 図3 説明  
 Y 方向 所定間隔 第2 21  
 第3 22 自由端部 21a 22a 側  
 接合 好

0041

· · · 疏水性 · · · 接合 · · 形成 · · ·  
· 接合 · · · 形成 · · · · · 組 · 合 ·  
· 防漏 · · · 形成 · · · ·

各設必要弹性部材設必要長手方向全各長手方向全

In this case, from anchor end portion 20b of anti 漏 cuff 40D, to anchor end portion 22b of the flap 22 of third it is connected, it is desirable .

In addition, it is not necessary this time, for flap of third hydrophobic sheet to be.

This way, it forms respective flap with separate sheet, combines and configures anti 漏 cuff also it is possible to do.

[0039]

In addition, it has become waveform from anchor end portion 20b to free end 20a regarding anti 漏 cuff of Figure 8.

By providing elastic member 32 in position which opened specified interval from the anchor end portion 20b outside direction flap, second flap 21 is respectively formed furthermore by providing elastic member 31 in position which opened specified interval flap 22 of third, furthermore by providing elastic member 35 in the position which opened specified interval.

As and, free end 21a of second flap and free end 22a of flap of the third, namely apex of 2 waves which face to transverse direction center side, shown in Figure 9, opening spacing to aforementioned longitudinal direction, it is connected.

As a result, between joined portion, pocket which keeps waste is formed.

〔0040〕

Like anti 漏 cuff 40E when flap is formed without connecting the interior surface of hydrophobic sheet 14, because flap 22 of second flap 21 and third is difficult to do, protruding parallel with absorption core 12 to X direction, as explained in for example Figure 1 and Figure 3, flap 22 of second flap 21 and third it connects every specified interval to Y direction in free end 21a \*22a side it is desirable.

〔0041〕

In addition, other than flap of second • third, furthermore it ispossible to anti 漏 cuff of absorbent article of this invention, to form the flap of 4 th and 5 th.

In addition, connecting hydrophobic sheet, without connecting with flap which it formed, it is possible to form anti 漏 cuff combining flap which it formed.

In addition, as for each flap, it is not necessary to be provided over all of longitudinal direction of anti 漏 cuff as for elastic member which in addition is provided in each flap, it is not necessary to be provided over all of longitudinal direction of anti 漏 cuff.

\*0042 \*

・・・本発明・吸収性物品・設・・・・防漏・  
 ・・前記砂時計形状・・・・・型使・捨・  
 ・・限・・・・長方形・・・・・型使・捨・  
 ・・・・予・・・・型・形成・・・使・捨・  
 ・・・・・・・・・・・・・・・・・・・・・・・・

・・他・生理用品・尿取・・・・・・吸収性  
 物品・・適用可能・・・・

\*0043 \*

\*発明・効果・

以上詳述・・・・・本発明・吸収性物品・  
 ・・防漏・・・・・存在・・・・排泄物  
 ・・流速・遅・・・・・・・・排泄物・  
 防漏・・・・乘・越・・・・・外・漏・・・  
 ・・防止・・・・

・・・本発明・吸収性物品・装着時・・防漏  
 ・・・自由端部・・・・・各自由端部・肌・  
 接触・・・・・・・・肌・対・・・接触  
 面積・少・・・・・装着者・肌・対・・・摩擦  
 ・少・・・・・

・・・各・・・・・固定端部近辺・・・・・肌・  
 間・空隙・・・・・空気・流通・生・  
 ・・・・・・・・・・・・・・・・・・・・・・・・  
 ・・・・・・・・・・・・・・・・・・・・・・・・

・・・装着時・不快感・低減・・・・

\*0044 \*

・・・上下・位置・・・・・自由端部側  
 ・間欠的・接合・・・・・・・・形成  
 ・・・・・排泄物・横・流・・・・・内  
 ・保持・・・・・

結果・・・漏・・生・・・・・

・図面・簡単・説明・

・図・・

本発明・使・捨・・・・透液性・・・側・・  
 示・平面図

・図・・

図1・示・・・・・ II-II 線・断面図

・図・・

図1・示・・・・・ III-III 線・断面図

・図・・

[0042]

Furthermore, anti leak cuff which is provided in absorbent article of the this invention open mold disposable diaper of rectangle or may be disposable diaper which beforehand wasformed to pant type not just open mold disposable diaper of aforementioned hourglass configuration.

In addition, it is a applicable even in feminine hygiene goods and urine taking pad or other absorbent article.

[0043]

[Effects of the Invention]

As above detailed, because with absorbent article of this invention, flow rate of waste can be made slow in existence of flap of anti leak cuff, waste getting over anti leak cuff, it leaks to outside diaper, it can prevent .

In addition, it to be decided with that free end of anti leak cuff and each free end of flap contact skin when mounting absorbent article of this invention, because contact area for skin of diaper is little, friction for skin of wearer may be little.

Furthermore, because it can designate empty gap as between skin ,in anchor end portion neighborhood of each flap circulation of air iseasy to occur, clamminess and rash or other occurrence holds down, it ispossible .

Depending, it can decrease discomfort when mounting.

[0044]

Furthermore, because pocket is formed by free end side of flap which to position of top and bottom is intermittently connecting, when the waste flowed to side, you can keep inside pocket.

Result, furthermore a leak becomes difficult to occur.

[Brief Explanation of the Drawing(s)]

[Figure 1]

top view which shows disposable diaper of this invention from liquid-permeable sheet side

[Figure 2]

sectional view of line II-II of diaper which is shown in Figure 1

[Figure 3]

sectional view of line III-III of diaper which is shown in Figure 1

[Figure 4]

端部・・・防漏・・・状態・説明・部分断面図

partial cross section which explains state of anti 漏 cuff in end

図・・

[Figure 5]

本発明・吸収性物品・防漏・・・他・実施・形態・示・部分拡大断面図

portion enlarged cross section diagram which shows other embodiment of anti 漏 cuff of the absorbent article of this invention

図・・

[Figure 6]

本発明・吸収性物品・防漏・・・他・実施・形態・示・部分拡大断面図

portion enlarged cross section diagram which shows other embodiment of anti 漏 cuff of the absorbent article of this invention

図・・

[Figure 7]

本発明・吸収性物品・防漏・・・他・実施・形態・示・部分拡大断面図

portion enlarged cross section diagram which shows other embodiment of anti 漏 cuff of the absorbent article of this invention

図・・

[Figure 8]

本発明・吸収性物品・防漏・・・他・実施・形態・示・部分拡大断面図

portion enlarged cross section diagram which shows other embodiment of anti 漏 cuff of the absorbent article of this invention

図・・

[Figure 9]

図8・示・防漏・・・接合状態・示・部分拡大断面図

portion enlarged cross section diagram which shows joined state of anti 漏 cuff which is shown in Figure 8

図・・・

[Figure 10]

従来・使・捨・・・防漏・・・一部断面図

partial cross section figure of anti 漏 cuff of conventional disposable diaper

符号・説明・

[Explanation of Symbols in Drawings]

1 使・捨・・・

1 disposable diaper

10

10

.....

top sheet

11

11

.....

backsheets

12

12

吸收・

Absorption core

14

14

疎水性・・・

hydrophobic sheet

14A

14 A

疎水性・・・端部

end of hydrophobic sheet

14C

14 C

疎水性・・・端部

end of hydrophobic sheet

17	17
掛止	Stopping sheet
20a	20 a
自由端部	free end
20b	20 b
固定端部	anchor end portion
21	21
第 2	second flap
21a	21 a
自由端部	free end
21b	21 b
固定端部	anchor end portion
22	22
第 3	flap of third
22a	22 a
自由端部	free end
22b	22 b
固定端部	anchor end portion
25	25
外向	Outside direction flap
25a	25 a
自由端部	free end
25b	25 b
固定端部	anchor end portion
2A	2 A
前面部	front
2B	2 B
中間部	intermediate section
2C	2 C
背部	back surface part
30	30
弹性部材	elastic member
31	31
弹性部材	elastic member
32	32

弹性部材	elastic member
35	35
弹性部材	elastic member
39	39
弹性部材	elastic member
3A	3 A
前・・・部	Front west section
3C	3 C
後・・・部	Rear west section
4	4
側部	side part
40A	40 A
防漏・・	Anti 漏 cuff
40B	40 B
防漏・・	Anti 漏 cuff
40C	40 C
防漏・・	Anti 漏 cuff
40D	40 D
防漏・・	Anti 漏 cuff
40E	40 E
防漏・・	Anti 漏 cuff
45	45
自由端部側・接合・・・領域	region where free end side is connected
L1	L1
中心線	center line
<b>Drawings</b>	
図・・	[Figure 1]

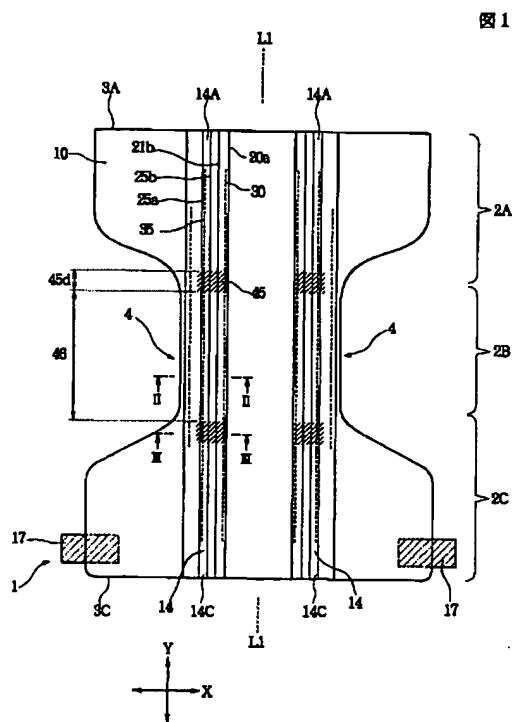


図1

[Figure 2]

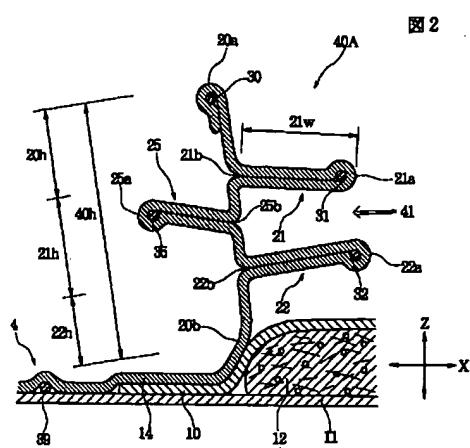


図2

[Figure 3]

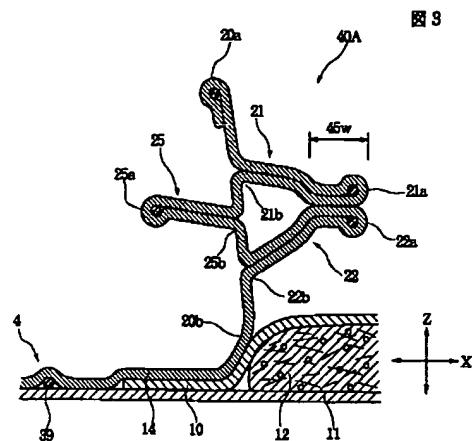
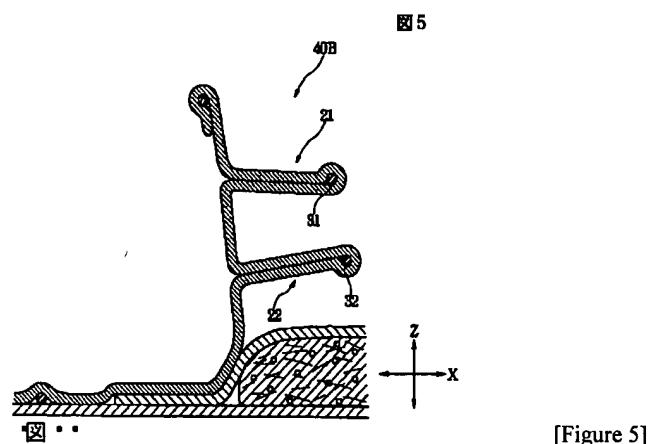
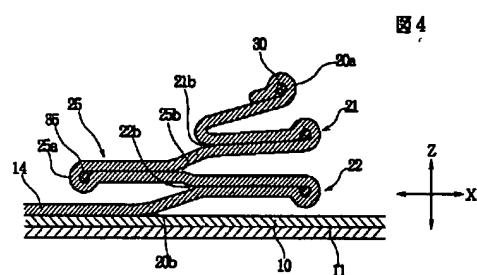
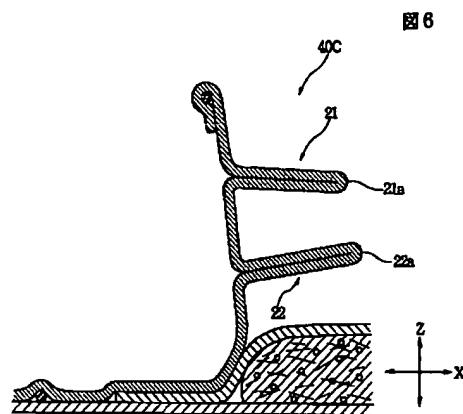


図 4 [Figure 4]

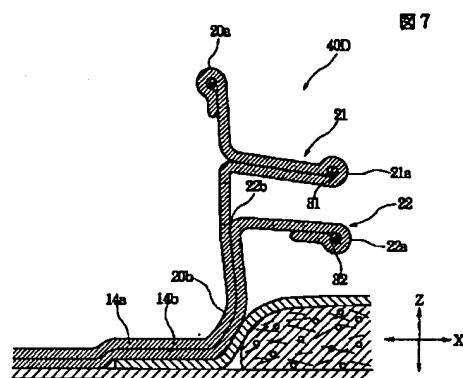


[Figure 5]

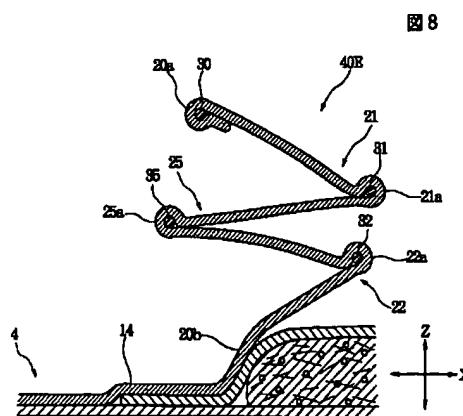
図 6 [Figure 6]



[Figure 7]



[Figure 8]



[Figure 9]



図9

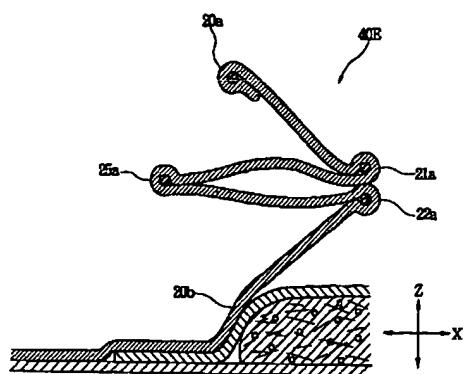


図...

[Figure 10]

図10

